

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A ~~In a client device,~~ a method comprising:
dynamically obtaining sending, by the client device a client alert module
integrated with a client device, a request within an options field of a network bootstrap
protocol packet for at least one alert detection parameter and an alert destination address
from a first server;
receiving, by the client alert module, the requested alert detection parameters and
alert destination address within the options field of a network bootstrap protocol packet;
using a received alert detection parameter to detect alerts during and after boot-up
of the client device;
sending, by the client alert module, information regarding detected alerts to a
remote alert proxy at the alert destination address;
receiving, by the client alert module, configuration data from the remote alert
proxy with which to configure the client device in response to the detected alert; and
dynamically obtaining configuration data from a remote proxy for alert detection
using the at least one obtained alert detection parameter; and
automatically configuring the client device using the configuration data obtained
from the remote alert proxy for alert detection to enable the client device to detect alerts.

2. (Canceled)

3. (Currently Amended) The method of claim 1, wherein the client alert module device is enabled to detect alerts while the client device is in a reduced functional state.

4. (Original) The method of claim 3, wherein the reduced functional state includes an operating system unavailable state.

5. (Currently Amended) The method of claim 1, wherein the ~~first server~~ operates according to a network bootstrap protocol is dynamic host control protocol (DHCP).

6-7. (Canceled)

8. (Currently Amended) The method of claim 1, wherein dynamically obtaining by the client alert module device the at least one alert detection parameter further comprises dynamically obtaining at least ~~one of an alert destination address,~~ a watchdog interval, ~~and~~ or a heartbeat interval.

9. (Currently Amended) The method of claim ~~8~~ 1, wherein the alert destination address uniquely identifies the remote alert proxy on a network.

10. (Original) The method of claim 1, wherein the configuration data is dynamically obtained from a remote alert proxy through a remote management and control protocol (RMCP).

11. (Currently Amended) ~~A In a first server,~~ a method comprising:
receiving, by a proxy for alert detection, ~~a configuration data request~~ information regarding a detected alert in a remote ~~from a client device, the configuration data request~~
information being submitted by a client alert module integrated with the client device
using at least one alert detection parameter dynamically obtained ~~alert detection~~
~~parameter~~ from the options field of a network bootstrap protocol packet; and
providing ~~the requested~~ configuration data to the client alert module device in
response to the detected alert to enable the client device to be automatically configured
~~and to detect alert events.~~

12. (Previously Presented) The method of claim 11, wherein the at least one dynamically obtained alert detection parameter is dynamically obtained from a second server.

13. (Currently Amended) The method of claim 12, wherein the ~~second server~~
~~operates according to a~~ network bootstrap protocol ~~is~~ dynamic host control protocol (DHCP).

14. (Previously Presented) The method of claim 12, wherein the at least one dynamically obtained alert detection parameter includes at least one of a dynamically obtained alert destination address, a watchdog interval, and a heartbeat interval.

15. (Original) The method of claim 14, wherein the dynamically obtained alert destination address uniquely identifies the first server on a network.

16. (Currently Amended) The method of claim 11, wherein the ~~requested~~ configuration data is provided to the client alert module ~~device~~ through a remote management and control protocol (RMCP).

17. (Canceled)

18. (Currently Amended) The method of claim ~~17~~ 11, wherein the client alert module ~~device~~ is enabled to detect alerts independent from whether an operating system is operable on the client device.

19. (Currently Amended) An apparatus comprising logic to:
dynamically ~~obtain~~ send a request within an options field of a network bootstrap protocol packet for at least one alert-detection parameter for alert detection in a client device as well as an alert destination address from a first server;
receive the requested alert detection parameters and alert destination address within the options field of a network bootstrap protocol packet;

detect alerts in the client device using an obtained alert detection parameter;
dynamically obtain configuration data from a remote alert proxy at the alert
destination address for alert detection using the at least one obtained alert detection
parameter with which to configure the client device in response to the detected alert; and
configure the ~~apparatus~~ client device using the configuration data obtained from
the remote alert proxy for alert detection ~~to enable the apparatus to detect alerts.~~

20. (Currently Amended) The apparatus of claim 19, wherein the at least one
obtained alert detection parameter includes at least ~~one of an alert destination address,~~ a
watchdog interval, ~~and~~ or a heartbeat interval.

21. (Currently Amended) The apparatus of claim 19, wherein the logic
configures the apparatus to:
detect alerts while the ~~apparatus~~ client device is in an operating system
unavailable state.

22 (Currently Amended) An article of manufacture comprising a machine
readable medium having a plurality of machine readable instructions stored thereon,
wherein when the instructions are executed by a processor, the instructions subscribe the
processor to:

dynamically ~~obtain~~ send a request within the options field of a network bootstrap
protocol packet for at least one alert detection parameter for alert detection in a client
device as well as an alert destination address from a first server;

receive the requested alert detection parameters and alert destination address
within the options field of a network bootstrap protocol packet;
detect alerts in the client device using an obtained alert detection parameter;
dynamically obtain configuration data from a remote alert proxy at the alert
destination address ~~for alert detection using the at least one obtained alert detection~~
~~parameter~~ with which to configure the client device in response to the detected alert; and
configure a the client device ~~containing the processor to detect alerts using the~~
~~configuration data obtained from the proxy for alert detection~~ using the configuration
data obtained from the remote alert proxy.

23. (Currently Amended) The article of manufacture of claim 22, wherein the instructions further subscribe the processor to configure the device to:

detect alerts while the client device is in a reduced functional state.

24. (Currently Amended) The article of manufacture of claim 22, wherein the at least one obtained alert detection parameter includes at least ~~one of an alert destination address,~~ a watchdog interval, ~~and~~ or a heartbeat interval.

25-31. (Canceled)

32. (New) The apparatus of claim 19 wherein the network bootstrap protocol is Dynamic Host Control Protocol (DHCP).

33. (New) The article of claim 22 wherein the network bootstrap protocol is
Dynamic Host Control Protocol (DHCP).